



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	3	Attorney Docket Number	016866-000211US
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**Complete if Known**

Application Number	Continuation of Appl. No. 09/828,326
Filing Date	April 5, 2001
First Named Inventor	Chait, Brian T.
Art Unit	1614
Examiner Name	Delacroix Muirhei, Cybille

**U.S. PATENT DOCUMENTS+**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	AA	US-5,118,937	6/2/92	Hillenkamp et al.	
	AB	US-5,045,694	9/3/91	Beavis et al.	
	AC	US-5,281,538	1/25/94	Cottrell et al.	
	AD	US-5,288,644	2/22/94	Beavis et al.	

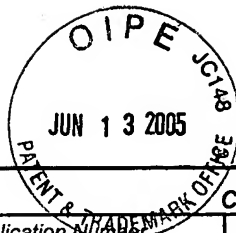
**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AE	EP	529 604 A1		3/3/93	Seiko Instruments Inc.		<input type="checkbox"/>
	AF	PCT	WO 94/06017		3/17/94	Selectide Corporation		<input type="checkbox"/>
								<input type="checkbox"/>

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Considered

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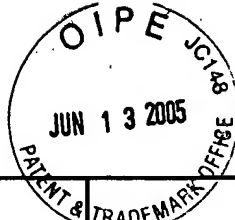
Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	Continuation of Appl. No. 09/828,326
				Filing Date	April 5, 2001
				First Named Inventor	Chait, Brian T.
				Art Unit	1614
				Examiner Name	Delacroix Muirhe, Cybille
Sheet	2	of	3	Attorney Docket Number	016866-000211US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AG	SMITH, L.A. et al., "Following Enzyme Catalysis in Real-Time Inside a Fast Atom Bombardment Mass Spectrometer" <i>Biomed. Mass Spectrom</i> 10:98 (1983)	
	AH	TARR, G.E. "Improved Manual Sequencing Methods" <i>Methods Enzymology</i> 47:355 (1977)	
	AI	KENT, S.H. "Chemical Synthesis Of Peptides And Proteins" <i>Annual Rev. Biochem.</i> 57:957-984	
	AJ	TSUGITA et al "C-terminal sequencing of protein: A novel partial acid hydrolysis and analysis by mass spectrometry" <i>Eur. J. Biochem.</i> 206:691-696.	
	AK	CHAIT et al. "A New Approach For Sequencing Peptides and Proteins" <i>The 40th ASMS Conference</i> , June 5, 1992 pgs. 1939-1940 (1992)	
	AL	BEAVIS et al. "α-Cyano-4-hydroxycinnamic Acid as a Matrix for Matrix-assisted Laser Desorption Mass Spectrometry" <i>Organic Mass Spectrometry</i> 27:156-158 (1992)	
	AM	AEBERSOLD et al. "Design, synthesis, and characterization of a protein sequencing reagent yielding amino acid derivatives with enhanced detectability by mass spectrometry" <i>Protein Science</i> 1:494-503 (1992)	
	AN	SCHNOLZER et al. "In situ neutralization in Boc-chemistry solid phase peptide synthesis" <i>Int. J. Peptide Protein Res.</i> 40:180-193 (1992)	
	AO	CHAIT et al. "Weighing Naked Proteins: Practical, High-Accuracy Mass Measurement of Peptides and Proteins" <i>Science</i> 257:1885-1894. (1992)	
	AP	HILLENKAMP et al. "Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Biopolymers" <i>Anal. Chem.</i> 63:1193-1202 (1991)	
	AQ	BEAVIS et al. "High-Accuracy Molecular Mass Determination of Proteins Using Matrix-Assisted Laser Desorption Mass Spectrometry" <i>Anal. Chem.</i> 62:1836-1840 (1990)	
	AR	BEAVIS et al. "Factors Affecting the Ultraviolet Laser Desorption of Proteins" <i>Rap. Comm. Mass Spec.</i> 3:233 (1989)	
	AS	BEAVIS et al. "Matrix Assisted UV Laser Desorption Of Biologically Interesting Molecules" <i>The 37th ASMS Conference, Miami Beach, FL</i> , pg. 1186-1187 (May 21-26, 1989)	
	AT	NOREN et al, "A General Method for Site-Specific Incorporation of Unnatural Amino Acids into Proteins" <i>Science</i> 244:182-188 (1989)	
	AU	KARAS et al "Matrix-Assisted Ultraviolet Laser Desorption of Non-Volatile Compounds" <i>International Journal Of Mass Spectrometry and Ion Processes</i> , 78:53-68 (1987)	
	AV	CHAIT et al., "Mass Spectrometric Characterization Of Microscale Enzyme Catalyzed Reactions Of Surface-Bound Peptides And Proteins" <i>Methods In Protein Sequence Analysis</i> ed K.A. Walsh, <i>The Humana Press</i> pgs. 483-492 (1986)	

Examiner Signature	Date Considered
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	AW	KARAS et al. "Influence of the Wavelength in High-Irradiance Ultraviolet Laser Desorption Mass Spectrometry of Organic Molecules" <i>Anal. Chem.</i> , 57:2935-2939 (1985)	
	AX	SELF, R. et al., "The Combined Use of Enzymatic Hydrolysis and Fast Atom Bombardment Mass Spectrometry for Peptide Sequencing" <i>Biomedical Mass Spectrometry</i> 10:78-82 (1983)	
	AY	WATSON, J.D. et al. "Restriction Fragments Lead to Powerful New Methods for Sequencing DNA" <i>Recombinant DNA - A Short Course</i> , W.H. Freeman and Co., New York. pgs 61-63 (1983)	
	AZ	TSUGITA et al "Exopeptidase Digestion In Combination With Field Desorption Mass Spectrometry For Amino Acid Sequence Determination" <i>FEBS</i> 137:19-24 (1982)	
	BA	STRYER, L. <i>Biochemistry</i> , 2nd Ed., W.H. Freeman and Co., New York, pg. 663 (1981)	
	BB	SCHROEDER, W. "Degradation of Peptides by the Edman Method with Direct Identification of the Phenylthiohydantoin-Amino Acid" <i>Methods in Enzymol.</i> 25:298-313 (1972)	
	BC	RICHARDS, F. et al., "Mass Spectroscopy of Methylthiohydantoin Amino Acids: Identification, Quantitation, and the Analysis of Mixtures" <i>Methods in Enzymol.</i> , 25:314-325 (1972)	
	BD	KONIGSBERG, W. "Subtractive Edman Degradation" <i>Methods in Enzymol.</i> 25:326-332 (1972)	

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